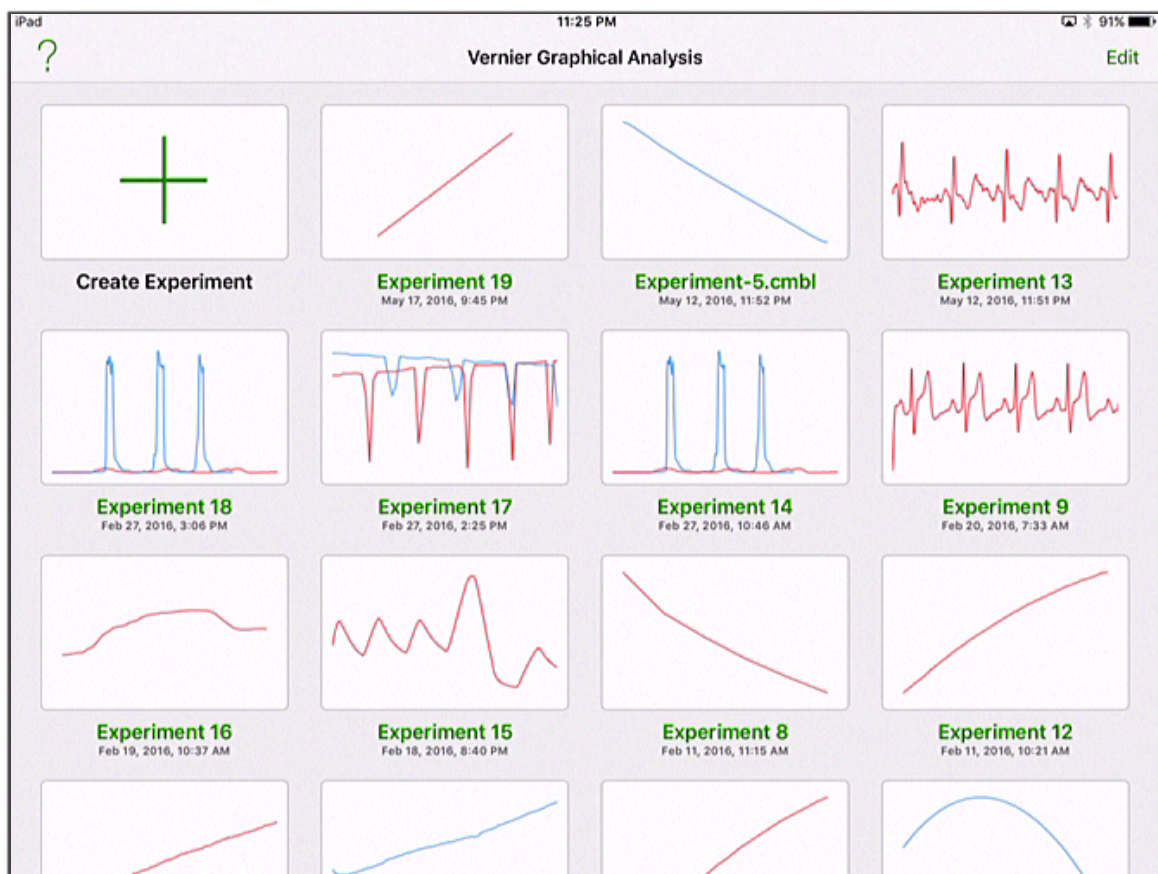


# Graphical Analysis Primer iPad

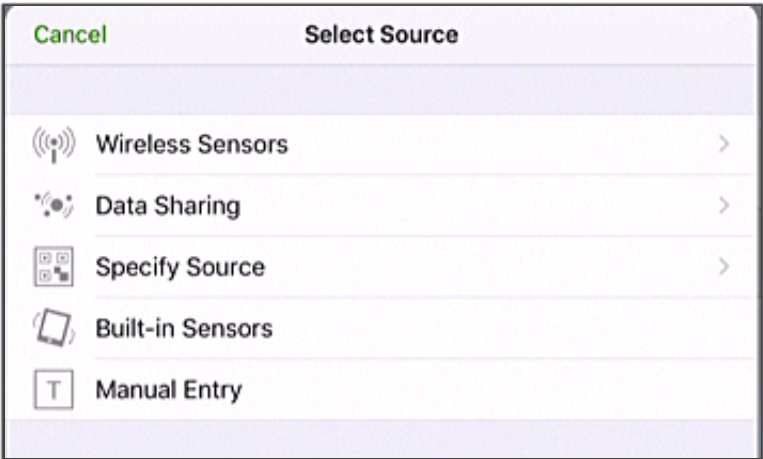
A dialog box like this will appear when GA boots up. It allows you to open a previously saved experiment, or click the **+** to create a new experiment. Edit will allow you to delete old experiments.



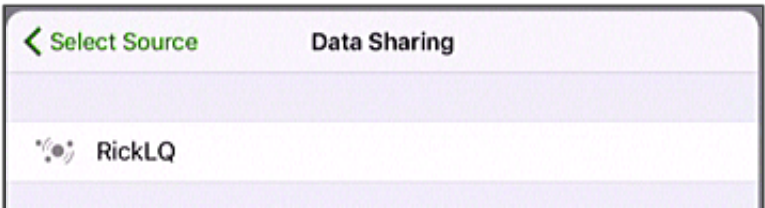


If you click the + to create an experiment, a dialog box will ask you to select a source.

Wireless sensors connect via Bluetooth. Data Sharing will connect to a LabQuest 2 (as long as the iPad and LQ 2 are on the same wireless network). An LQ 2 can send its data to multiple iPads. The Built-in sensor is a three-axis accelerometer. Manual entry allows you to type in your own data.

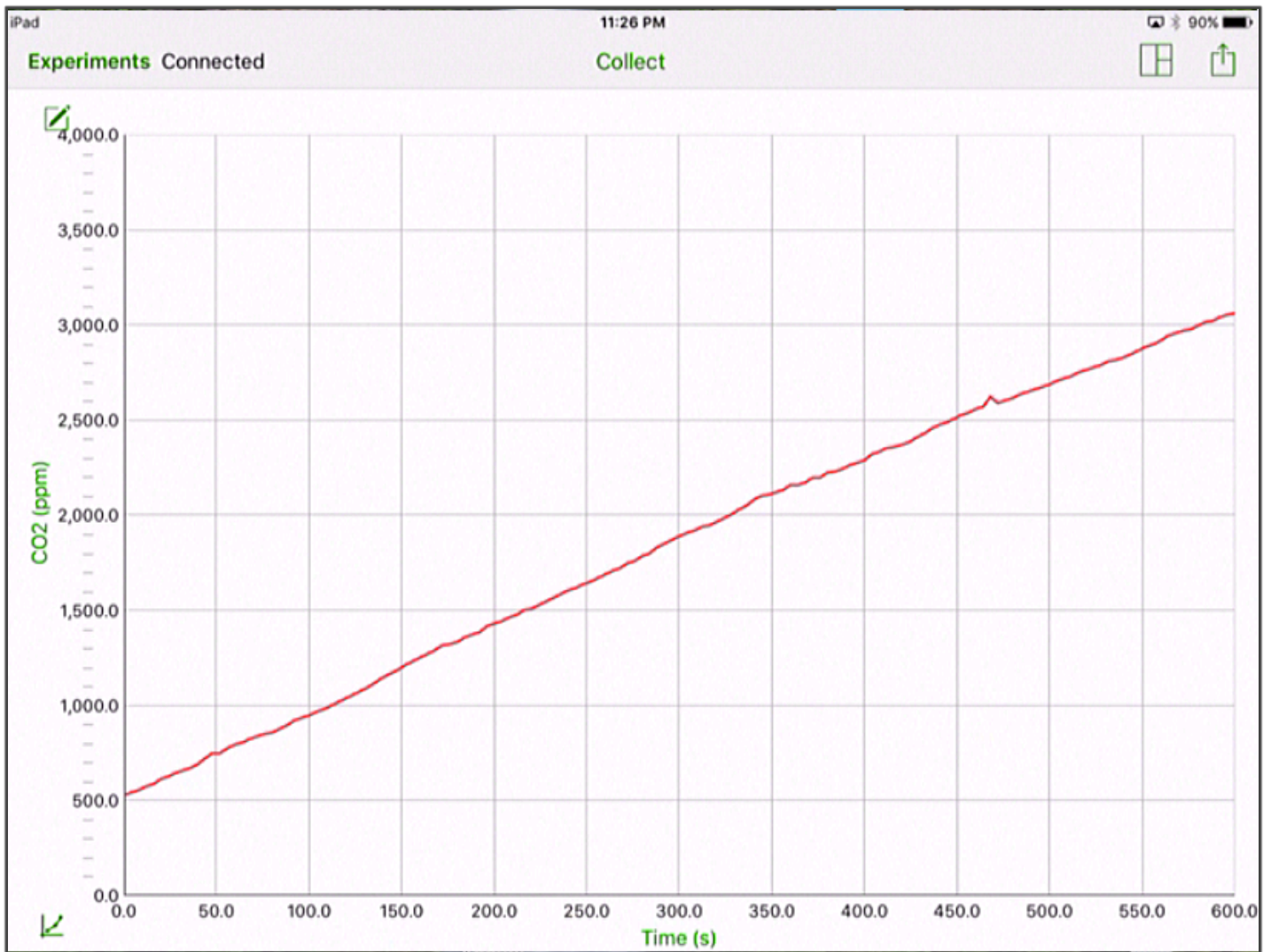


Data Sharing should list the LabQuest 2 devices that it finds on the network. If this does not work immediately, you can also Specify Source by the ip address.



As the iPad connects to the LabQuest 2, it will pull the data and display a graph of the LQ 2 data on the iPad. There is a **Collect** button that will allow the iPad to start the experiment on the LQ 2. A graphic on the following page shows a data set of germinating peas using the carbon dioxide sensor and a LQ 2.





The pencil icon in the upper left corner allows you to draw a prediction of what you think will happen before the experiment begins.

The Graph icon in the lower left corner opens a dialog box, which allows you to set the scale of the graph, add a title etc.

**Graph**

Title

Appearance Lines

HORIZONTAL RANGE

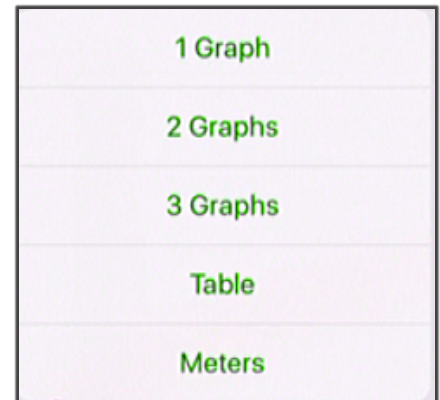
0.00 to 600.00  
left right

VERTICAL RANGE

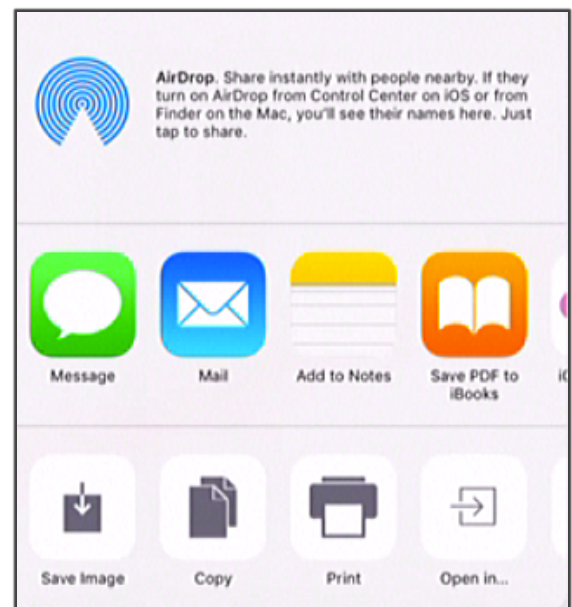
0.00 to 4,000.00  
bottom top



The box icon in the upper right corner opens a dialog box, which controls what is displayed.



The box and arrow icon in the upper right corner opens a dialog box, which provides options to export/print the data/graph.



Tap and drag to select a region of interest on the graph. A dialog box will appear to allow analysis of the graph such as statistics or curve fitting.

Each time you hit the **Collect** button on the iPad, a new data set will run. Click on the label of the y axis to select which data sets are displayed. (The same thing will happen if you store multiple runs on the LQ 2 and then view the data on the iPad.)